

Distinguished Service To Safety Award To Y-12 Will Be Presented November 30

Thanksgiving Highlights Need For Action As Well As Words

As its name implies, Thanksgiving is a day upon which all Americans can express their gratitude, publicly and privately, for the unprecedented advantages they enjoy as American citizens. The American system has bestowed more freedom, more happiness, more privileges and more benefits upon more people than any other system in the history of the world.

Thanksgiving not only is a day for assessing our blessings, but a time for determining to do everything to preserve and enrich them. The Thanksgiving of words must be backed up with Thanksgiving of action, and there is no better way to prove our appreciation for the freedoms of our American heritage than by working at being full-time citizens.

If our American heritage is to be preserved, enriched, and handed down to future generations, each citizen must feel morally responsible for contributing to the betterment of his community, state and nation, not only today, but every day.

The importance of religion must not be overlooked as a vital factor

in adjusting to the problems of everyday living.

American democracy, with its emphasis on the dignity and sanctity of the individual person, is fundamentally a moral, ethical and religious concept, while on the other hand, Communism, Nazism, and Fascism are essentially anti-religious.

On Thanksgiving Day it is not enough to say, "I am thankful that the American way of life is wonderful."

American freedom will continue only if American citizens are resolved to perform personal sacrifices in its behalf, every day of the year.

Democracy demands more civic responsibility than any other form of government. Being a citizen in a democracy entails more work than any other type citizenship. Democracy demands an active, personal citizenship. If individual citizens do not participate, democratic government becomes a mockery, and our freedoms will disappear.

Safety Council Representative To Give Citation

The national spotlight will be directly on the accident prevention program of Y-12 next week when the National Safety Council's Distinguished Service To Safety Award will be presented to the plant. The Distinguished Service To Safety Award is conferred on plants for showing a substantial reduction in frequency and severity of accidents during one year in comparison with the preceding year. In the case of Y-12 the Award is made for the 1948 record as compared to the 1947 figures.

The presentation will be made in ceremonies at the Y-12 cafeteria at noon next Wednesday, November 30. W. G. Johnson, representative of the National Safety Council, will make the presentation with acceptance on behalf of Y-12 folk by Dr. C. E. Larson, Y-12 Superintendent. The talks by Mr. Johnson and Dr. Larson will be recorded and broadcast by Oak Ridge Radio Station WATO at 2 p.m.

Record Was Made In 1948

Impressive safety records compiled by Y-12 employees during 1948 brought the Distinguished Service To Safety Award to the plant. The accident frequency rate in Y-12 in 1948 was 2.50 per cent, a 48 per cent reduction from the 1947 figures. The frequency rate is defined as the number of lost time accidents per 1,000,000 man-hours worked. The accident severity rate in Y-12 in 1948 was .16, a decrease of 89 per cent from the 1947 record of 1.47. The severity rate is based on the number of days lost from accidents per 1,000 man-hours worked.

Meanwhile the number of hours and days of safe operations in Y-12 continue with the milestone of 1,500,000 man-hours worked without a lost time accident coming nearer and nearer. This record is expected to be reached early in December and with continuance of the present trend of careful attention to principles of the plant accident prevention program the period without a disabling accident should continue indefinitely.

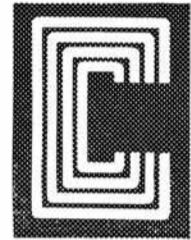
Testimonial To Common Sense

Of course, the accumulation of hours and days of safe operation are gratifying from the standpoint of increased efficiency in plant functions but most of all the mounting figures are a testimonial to the good common sense of every individual employee in following prescribed safety practices pertaining to his or her job. It means continued good health and avoidance of pain and trouble caused by absence from the job because of an accident that might have been prevented.

The 1,500,000 man-hours of safe operations is a milestone set by Carbide and Carbon Chemicals Corporation for Company recognition. Units of the Company reaching this mark for the first time are awarded a handsome plaque and individual awards to all eligible employees and every repetition of the record brings a service bar to add to the plaque.

Once before Y-12 employees reached and far exceeded the 1,500,000 man-hours mark.

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Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12

Volume 3, No. 45

OAK RIDGE, TENNESSEE

Wednesday, November 23, 1949

ACS President Will Speak Here On November 30

Y-12 members of the East Tennessee Section of the American Chemical Society will join others in the group in honoring Dr. Linus Carl Pauling, president of the American Chemical Society, who will address a meeting of the East Tennessee group next Wednesday night, November 30. The address will be given in the Oak Terrace Lecture Room at 8 o'clock and will be preceded by a dinner in the same location at 6:30 p.m.

Telephone House For Reservations

Y-12ers desiring to make reservations for the dinner should do so before next Tuesday, November 29. The reservations may be made through H. P. House, Bldg. 9733-2, telephone 7026.

The topic of Dr. Pauling's address here will be "The Valence of Metals and The Structure of Inter-

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Camera Club Names Group To Nominate

A nominating committee of members of the Carbide Camera Club from each of the three Carbide and Carbon Chemicals Corporation facilities in Oak Ridge has been named to submit a slate of officers to serve the club next year, officers of the club have announced. The committee will submit the slate at the December meeting of the club set for 7:30 p.m., Tuesday night, December 13, in club headquarters in the Y-12 East Portal building.

The nominating committee is composed of Ed Mann, from Y-12; O. K. Lewis, of the Oak Ridge National Laboratory; and Ed Witt, from K-25. In addition to the slate submitted by the committee, nominations will be received from the floor.

The monthly contest for December will be black and white photographic Christmas cards. Members are urged to make their entries early and to submit a complete card, not just the photographic part. Deadline for entries is December 9 and they may be left either at the Taylor Photo Shop or at the home of Nat Stetson, 105 West Magnolia Lane. He is vice president of the club in charge of programs.

Thanksgiving Is Holiday In Y-12; Special Dinner Set Wednesday

Thursday, November 24, Thanksgiving Day, will be observed as a regular holiday in Y-12, with operations being held to a minimum, as is usual on designated holidays. In accordance with usual plant procedure, no employees will be required to work on Thanksgiving Day with the exception of those whose presence on the job is necessary to assure the continuous operation and protection of the plant, such as the skeleton forces which are required to work on Saturdays and Sundays.

As a treat to Y-12 folks the plant cafeteria has planned a special Thanksgiving dinner with trimmings for the noon meal Wednesday, November 23. Cafeteria Supt. George J. McNames has planned an attractive menu for the occasion with a varied choice of tasty items available. Diners may obtain the entire dinner for 90c or may take individual items on an a la carte basis at regular stated prices.

Here is the complete menu for the Thanksgiving dinner:

CHOICE OF

Roast Young Tom Turkey
Oyster Dressing, Giblet Gravy
or
Breaded Veal Cutlet, Tomato Sauce

CHOICE OF TWO

Candied Yams Whipped Potatoes
Buttered Peas

Fresh Cauliflower Au Gratin

CHOICE OF ONE

Stuffed Celery Waldorf Salad
Stuffed Tomato
Pineapple, Grapefruit And Orange
Segments

CHOICE OF ONE

Mince Meat Pie Pumpkin Pie
Egg Custard Pie Layer Cake
Rolls Coffee Tea

The Thanksgiving holiday is the next to last on the 1949 calendar for Y-12ers. The next will be the Christmas holiday which will be observed on Monday, December 26, as Christmas Day this year falls on Sunday.

Henderson Given National Post By Safety Body

G. C. Henderson, Y-12 chief safety engineer, has been honored with membership on the executive committee of the chemical section of the National Safety Council, according to word received from Council headquarters in Chicago.

In this assignment, Henderson will work on statistics and contests staged annually in the chemical industry throughout the country to promote safe operations. John J. Hoffman, of Monsanto Chemical Co., St. Louis, Mo., is general chairman of the chemical section.

Dr. Forrest Western, of the Oak Ridge National Laboratory, is a member of the health sub-committee of the chemical section of the Safety Council.

Ceramic Society Will Hold Meeting In Oak Ridge Soon

Employees of Y-12 who are members of the Tennessee Valley Section of the American Ceramic Society or who are interested in the work of the organization have been notified of a two-day meeting of the group to be held in Oak Ridge December 9 and 10. Those intending to attend any of the sessions are asked to notify Murray A. Schwartz, NEPA Division, Fairchild Engine and Airplane Corp., Oak Ridge.

The program will include technical addresses and a business meeting Friday afternoon, December 9, a dinner at the Oak Terrace and an address that night by A. Kalitinsky, chief engineer of Fairchild, on "Nuclear Energy for the Propulsion of Aircraft." The Saturday program will provide an open-house at the United States Bureau of Mines Electrochemical Laboratory at Norris beginning at 10 a.m.

Dept. 2077 Keeps Fine Attendance Record Intact

Employees in Dept. 2077, Electrical Maintenance Department, continued their remarkable perfect attendance at work record for the fourth consecutive week according to figures released for the period ending November 13. This gives the department first place for the fifth straight week and for several weeks prior to beginning the "all present" string the Electrical Maintenance men have been high in the standings, frequently being on top.

10 Other Departments Perfect

In addition to Electrical Maintenance in the Major League, 10 more departments in the Minor League also reported perfect attendance marks for the week ending November 13. Of this 10, five were repeaters from the previous week.

Second place in the Major League went to Product Chemical, in sixth place the preceding week. This department had 1.2 per cent of its employees absent. Third place was maintained by Chemical Research, which posted an absentee mark of 1.3 per cent.

Five Departments Are Repeaters

The five Minor League departments to repeat their perfect attendance marks from the week ending November 6 were Receiving and Shipping, Employee Relations, Transportation, Maintenance Utilities and Steam Plant. Climbing from lower positions to tie for top poston with no absentees for the week ending November 13 were Cafeteria and Canteens, Technical

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'Official Use Only' Designation Replaces 'Restricted' Rating

"For Official Use Only" is the new designation to be given Y-12 documents previously classified as "Restricted" and rubber stamps containing the new identification now may be obtained from the Office Services Department, it has been announced by the Y-12 Security Office.

The new classification "For Official Use Only" should not be given to any data, documents or materials that reveal any information now defined as "Restricted Data" in the Atomic Energy Act. "Restricted Data" is defined in this act as meaning all data concerning the manufacture or utilization of atom-

ic weapons, the production of fissionable material or the use of fissionable material in the production of power.

All documents or materials that contain any information that should not be disclosed to the general public except on a controlled basis or unimportant technical and operating information may be classified with the new "For Official Use Only" designation and so stamped.

The Security Office points out that care should be taken to properly safeguard the information designated as "For Official Use Only" to prevent it being used by unauthorized persons.

SAFETY SCOREBOARD

Your Plant Has
Operated
152 DAYS
Without A Lost Time
Accident
THROUGH NOV. 20

Y-12 Bulletin

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Like To Cook? Then Try This Recipe

CUCUMBER MUSTARD PICKLES

Eight large, ripe cucumbers.
One-half cup salt.
Four cups vinegar.
Two cups sugar.
Two tablespoons mustard seed.
One tablespoon mixed pickling
spices.

Peel cucumbers, remove seeds and cut into strips three inches long and one inch wide. Add salt and allow to stand 24 hours. Place cucumbers in a colander and rinse with one quart of fresh water and drain thoroughly. Turn cucumbers into a large saucepan then combine remaining ingredients and pour over cucumbers. Cook slowly until soft and transparent. Pack into hot, sterilized jars and seal at once. If a self-seal metal or glass top jar is used, process in a hot water bath for 20 minutes to insure seal.

Makes six pint jars with 346 calories per jar. Source of vitamins A and C.

Preparation time one hour. Stands 24 hours.

No Concert Set This Week By Music Listening Group

No concert will be given this week by the Oak Ridge Music Listening Group because of the Thanksgiving holiday on Thursday, the regular weekly concert date.

However, the organization will present the opera "Aida" in its entirety at the concert set for Thursday night, December 1. Following the concert guests will be permitted to play their own records on the high-fidelity recorders owned by the group.

Community Chorus Sets Two Rehearsals For Concerts

Y-12 members of the Oak Ridge Community Chorus have been reminded that only two rehearsals remain for the two December concerts to be given by the group. The rehearsals are held at 7:30 p.m. on Monday nights in the small auditorium of the Jefferson Junior High School.

The chorus will give its annual Christmas concert Saturday night December 10, at the high school auditorium. This concert will be followed by a streamlined presentation of Handel's oratorio, "The Messiah," Thursday night, December 15. Curtain time for both concerts is 8:15 o'clock.

Uranium From Sea Said Impractical

American experts in Washington are quoted in a recent edition of Science News Letter that there are no practical possibilities of obtaining uranium out of sea water. Discussion of the possibility of obtaining uranium from sea water arose from a speech by Dr. Hans Pettersson, of Sweden, to the British Association For The Advancement of Science.

WHAT'S AGAINST PADUCAH?

The Baltimore Sun recently reported that Rep. John E. Rankin (D. Miss.) called for moving the national capital from Washington to an area near Paducah, Ky., so that it would be remote from possible attack.



MRS. JACINTA HOWARD, VIOLINIST; AND MRS. GEORGELEN SCHUSKE, PIANIST: shown above, will be heard on the Coffee Concert at 8:15 p.m., Sunday, November 27. Both are wives of Y-12 employees.

Y-12 Photos By Vince Moore



Quite a delegation of Y-12ers loaded up on the Mule Train last Saturday and clippity-clopped up to Lexington, Ky., to see the Tennessee Head Mule Driver Coach Bob Neyland crack the whip and make tame tabbies out of the erstwhile Wildcats. Just to mention a few of the Y-12 folks at the game...the L. H. Barkers, W. T. McNamara and family, Helen Sisson, who is on vacation visiting relatives in the Bluegrass state. A. Tiller, A. Norman, F. Darby, G. Dobbs and R. G. Boxley. There undoubtedly were more.

Cap'n H. L. (Leroy) Dickenson, of the Y-12 Guard Department, is spending a couple of weeks vacationing on his pecan (nuts to you-Leroy) plantation near Cordele, Ga. After attending to the nuts he plans to do some bird hunting... Chief Miles H. Bradford and Mrs. Bradford have returned from a trip to Hot Springs, Ark...Max Butler has returned to work after a brief illness.

Isotope Research and Production reports R. C. Kelly is spending his vacation in Eufaula, Ala.

Capt. W. O. Elam, of the Fire Department, and family are spending this week on vacation in South Birmingham, Ala...Likewise Capt. Henry (The Mouse) Krouse and family are vacationing in Virginia.

Receiving and Shipping wishes a quick recovery for the daughter of Lloyd Acre—she recently underwent a tonsilectomy...Polly Arnold is visiting her brother in Richmond, Va., while on vacation.

Maola Connor, of Manufacturing Offices, is spending a few days of her vacation in Richmond, Va., with a former school mate...Sarah Keith is visiting in Atlanta, Ga., during her vacation.

Rudy Pletz, of Health Physics and Hygiene, and Mrs. Pletz, are spending two weeks of vacation in St. Louis, Mo., with some of his relatives.

Planning and Estimating Department appears very curious over the vacation activities of Ab Monger, who is vacationing in Knoxville. The department alleges he is most secretive over his activities—but wishes him luck in fishing forays. (Don't let 'em kid you, Ab)...Frank Gallagher has returned from vacation with a loud wail over the weather during the entire week he was away—it rained the whole time, he says. (Well, flowers gotta grow—just wait 'till next time, Frank.)

Product Chemical comes through with a long list of activities of its folks...Mrs. Dovie Searcy had as guests her father and mother, Mr. and Mrs. J. N. Ryan, of Dutton, Ala...Sally Wilder also had her parents as recent week-end guests—they were Mr. and Mrs. Joe Wilder, of Red Boiling Springs, Tenn...Returning from vacations spent not so far away are George Evans, Crossville; Corinne Hill,

Oak Ridge; Evelyn Frazier and her husband, Carl, Dixon, Tenn., and Gate City Va.; and C. R. Roberts, in North Carolina...Mae Carson has as her guest over the Thanksgiving holiday her sister, Mabel Carson, from Nashville—they plan to attend the Vandy-UT game come Saturday...Margaret Carter is vacationing in her home at Harri-man this week but also plans to get to Knoxville for the game... Allen and Lucille Townsend are visiting his folks out in Iowa while on vacation...Charles and Wilma West are visiting their folks in Birmingham and Atlanta on vacation and John Young, of the Electrical Department, also plans to visit those cities during his vacation...Mattie May is visiting her sister in Dixon...and Fred Hawk is taking care of a little unfinished fishing business around his home town of Lenoir City... June Wilkerson is visiting Maxine and Buford Winn, former Y-12ers, in Nashville and J. R. Mangran also is visiting in the same city...Harry Keene is visiting in Greeneville while Richard Mustin and Kyle Arnold are in Oak Ridge during vacation time...Dell Walker is vacationing in Greeneville and Ruth Stonnehell in Jonesville, Va.

In Uranium Control and Computing Oradean Upchurch is reported vacationing in Forbus, Tenn., while Asa Tarwater is doing likewise in Sevierville...Nancy Garrison right here in Oak Ridge...W.E. Belvin spent last week end in Chattanooga.

Plants Records Department informs us that Martha Parks is dividing her vacation between Cleveland and Memphis, Tenn. (fur jump)...Dorothy Connor is spending Thanksgiving Day at home in Chattanooga.

Lillie Cobble, of Medical, and her husband, Ernie Cobble, of Buildings and Grounds, had as guests over the last week end his daughter and children from Kingsport.

Al Stephens, of Analytical Laboratory, is vacationing somewhere in North Carolina this week...Catherine Love and her husband, Leon Love, of Isotope Research and Production, are traveling over to Memphis and down to Meridian, Miss., on vacation.

The Assay Laboratory sends get well wishes to W. D. Schultz, who has been ill...Happy vacation wishes are extended by the department to Inez Tropp in Oak Ridge... Polly Capps in Chattanooga and Atlanta...Katie Sells at her home in Livingston, Tenn...Francis Ware in a visit to relatives in West Tennessee...Jo Brown, destination reported unknown...W. T. McBryde in Albany, Miss., and Mary Kath-

Wives Of Y-12 Men In Coffee Concert Sunday

Two talented wives of Y-12ers will be on the monthly musical program of the Coffee Concert scheduled for next Sunday night, November 27. They are Mrs. Jacinta Howard, violinist, wife of Dr. Fred T. Howard, Electrical Research Laboratory; and Mrs. Georgellen Schuske, pianist, wife of Clarence Schuske, Superintendents Department. As usual, the concert will be held in the East Lounge of the Ridge Recreation Hall at 8:15 p.m. Was First Concertmaster

Mrs. Howard and her husband were among the "early settlers" in Oak Ridge and she was a charter member of a group from which grew the Oak Ridge Symphony Orchestra. In fact, she was the first concertmaster of the orchestra. Then Dr. Howard left Oak Ridge in 1946 and they resided in Denver, Col., until April, 1949, when they returned. Although her major instrument is violin, Mrs. Howard demonstrates her versatility by now being principal of the viola section of the symphony orchestra.

In addition to Mrs. Howard, that early group which developed into the fine symphony orchestra included Mrs. Norman Elliott, pianist, and Waldo Cohn, cellist, who now is director of the orchestra.

Mrs. Howard is a graduate of the Yale University School of Music where she studied both violin and viola under Hugo Kortschak. In addition to her interest in musical affairs in Oak Ridge, she also was active in Denver musical circles during the stay of the Howard family there.

Math Major Taught Music

Mrs. Schuske is no less active in musical circles here. She began to take interest in music in college but majored in mathematics at the University of Southern California. During her junior and senior years she taught piano in the USC preparatory department and also taught mathematics at USC for two years after graduation. Later she joined the Joy Caylor Orchestra as pianist for one year when that orchestra played for dance engagements and also for USO shows. She now is organist for the

erine Householder at her home near Gatlinburg.

John Ramsey, of the Chemical Department, is spending a vacation in Oak Ridge catching up on his splendid amateur photography. (Incidentally, John did a big favor for The Y-12 Bulletin last week by taking a certain photograph that will appear next week)...Virginia Bowers spent last week end at her home in Newport, Tenn...Paul Petretzky spent a week's vacation right at home in Oak Ridge... Dorothy E. Caldwell spent a vacation in Nashville visiting relatives.

Keep on coming with these fine reports—you departmental correspondents—and it's so long, folks, for this time.

Young Miner Goes Modern— Not Like Dad

Back in January, 1948, George A. Westerdahl, then a Y-12 employee in Chemical Research and now with the Oak Ridge National Laboratory, described for The Y-12 Bulletin some of the trials and requirements for a mining prospector's journey in search of precious gold and other minerals in the West.

The mining engineer told of the grub necessary for the trip—of burros and pack mules—picks and shovels—and, over all, sufficient water for parties trudging over the rugged Arizona terrain.

All Modern Conveniences

However, none of that hard stuff for young Allen Westerdahl, son of the former Y-12er. Allen spent his vacation last summer at Kingman, Ariz., and on his return described a prospecting trip of his own—not with a burro, pick and shovel and other fundamental equipment of old time prospectors.

No—Allen and a youthful buddy accompanied L. L. Edgerton, of near Kingman, on a prospecting jaunt and their equipment included a Geiger counter, jack hammers, air compressors and drills and a truck—no mules for them. They were seeking radioactive ores and although they frequently used the Geiger counter they usually were able to identify the ores after blasting uncovered deposits. Allen, in a recent interview, said the party found mostly thorium instead of uranium in their search.

Like Father—Like Son

Allen comes by his love for mining expeditions naturally—as he was born in Colorado and spent most of his early life with his father in Arizona where the elder Westerdahl was employed with the Manganese Ore Co. after being with the United States Bureau of Mines. George Westerdahl still owns a gold mine claim in Arizona and makes frequent vacation trips to the west to enjoy—he really does—desert life and prospecting—the hard way.

Allen Westerdahl is a ninth grade pupil at the Jefferson Junior High School and has shown much aptitude for science, particularly electronics. With his father, he collects guns, and the lad also is greatly interested in his father's interesting collection of ore samples.

NEW NAMES ANNOUNCED

William L. Laurence, atomic energy expert for the New York Times, says Dr. Alexander Silverman, head of the chemistry department of the University of Pittsburgh, has announced the official names of man-made chemical elements forged in atomic piles. Seven of these were transmuted by modern alchemy in American atomic furnaces. The announcement was made at the recent meeting of the American Chemical Society at Atlantic City, N. J.



The following Y-12 employees were patients in the Oak Ridge Hospital recently; Everett Smith, Buildings and Grounds; William L. Coggins, Stores.

First Methodist Church of Oak Ridge in addition to her other musical activities.

Mrs. Howard and Mrs. Schuske will play the Beethoven Sonata, Opus 24, known as the "Spring Sonata," at the Coffee Concert Sunday night. Other offerings on the program will include a group of vocal selections by Mrs. Paul A. Cebrat and offerings by a trio composed of Cohn on the cello, Jack Shapiro, violin, and Edwin E. Ferguson, piano. They will play the Mendelssohn Trio in E Minor.

The Coffee Concerts are given under auspices of the Oak Ridge Civic Music Association and open only to members of the association.



EACH OF THESE 9 HUSKY YOUNG MEMBERS OF THE Jefferson Junior High School football squad is the son of a Y-12er. Top row, from left, are Coach Nick Orlando, Ralph Alspaugh, J. T. Clark, James Shelton, Gordon Estes, Gordon Fielden and Line Coach John Tighe. In the front row are Lee Stansbury, Bill Lanter, George Reese and Sam Pritchard. This Y-12 Photo was made by Emil Senknecht.

Y-12 Dads Had Rooting Section For Sons On Jefferson Eagle Team

Every time the blue and gold clad Eagles of Jefferson Junior High School dashed out on a football gridiron one particular rooting section of nine Y-12 dads also went into action for Coach Nick Orlando had just that many youngsters on his squad whose fathers are employees in Y-12. At least three of them were first-stringers on the Eagle squad and all are highly valued by the coach for their spirit and calibre of play for the crack little team that established an enviable record for the past season.

Here are the Y-12 fathers, their departments and their sons with the positions they play and numbers, just in case some of you other Y-12 gridiron fans want to remember their feats during the past season.

Fathers, Sons Listed

U. L. Alspaugh, Electrical Maintenance, son Ralph, a guard, No. 67; G. E. Fielden, Electrical Maintenance, son Gordon (Buddy), a fullback, No. 97; R. E. Lanter, Electrical Maintenance, son Bill, center, No. 71; K. J. Duke, Product Chemical, stepson Jimmy Shelton, fullback, No. 61; C. L. Estes, Planning and Estimating, son Gordon, end, No. 75; J. T. Clark, Field Maintenance, son J. T. Clark, Jr., tackle, No. 98; John S. Reese, son George, back, No. 80; L. R. Stansberry, Guard Department, son Lee, end, No. 76; and W. S. Pritchard, lieutenant in the Oak Ridge National Laboratory Guard Department assigned to Y-12, son Sam, back, No. 72.

All of the youngsters with Y-12 dads are ninth graders at Jefferson, which means that they will go up to Oak Ridge High School next season. As they continue to grow and improve it is expected that they will be of great value to the Wildcats in the future.

Shelton Is Leading Scorer

Especially in the limelight this season for the Eagles has been Jim Shelton, the hard running back who is leading the team in scoring. He has scored 82 points in eight games, including 11 touchdowns and 16 extra points. Some of the extras have been made by kicking and some by plunging by this versatile youngster. Shelton has been given a lot of help in his running attack this season by Bill Lanter and J. T. Clark, Jr., top linemen of the Blue and Gold. However, Coach Orlando and his assistant, line Coach John Tighe, are proud of the entire delegation and predict they will be good Wildcat material next season.

Shelton failed to tally in the final game of the season for the Eagles, who lost to a crack Asheville, N. C., team by 20 to 19. However, Jim lugged the leather nine times for 54 yards—good going anywhere.

The Eagles won seven out of nine games during the season, losing only to Asheville and Bristol. However, they also beat Bristol and Harriman, McCallie, T. M. I. twice and Baylor.

A traveler was marooned in a small town because of a heavy rain. He told the hotel clerk,

"This looks like the flood."

"The what?"

"The flood. You've read about the flood and Noah's Ark, haven't you?"

"Now, I ain't seen a paper in three days."

W Loop Race Is Tightening; Dodgers Climb

The race in the W League tightened up considerably last Wednesday night when the Dodgers climbed into a first place tie with the Controllers. The Dodgers walloped the Woes for three games while the Spinners took two out of three from the Controllers, who were atop the heap without argument the preceding week.

Pick Ups, Spinners Advance

By dumping the Controllers from control of the situation the Spinners vacated the cellar position and arose to sixth place. Another big jump was made by the Pick Ups who drove from seventh place to fourth by downing three Hi Balls—pardon, downing the Hi Balls—for three points. The Kemps maintained their third place spot by bouncing the Rattlers for three.

Dot Roberts, a substitute bowler for the Controllers, saved her team from a rout by posting high individual scratch game of 181 and scratch series of 445. Katherine Jenkins, of the Kemps, was close behind with a 172 scratch game. Handicap scoring honors went to Nazy Carson, of the Pick Ups, with a 229 single game and 633 series, the latter being high for the season.

Mozelle Kennedy, of the Kemps, scored one of those difficult three-seven splits during the session.

Dodger Team Scores Good

In team scores the Dodgers earned their advance by leading in three categories, posting a 704 scratch single game, 1,994 scratch series and 987 handicap single contest. The Pick Ups' 2,867 handicap series, topping the night's scores, also was high for the season.

League standing follows:

Team	W	L	Team	W	L
Controllers	19	8	Woes	11	16
Dodgers	19	8	Spinners	10	17
Kemps	18	9	Hi Balls	10	17
Pick Ups	12	15	Rattlers	9	19

Checker Players Of Plant Asked To Meeting Monday

All checker players in Y-12 have been urged to attend a general meeting to be held next Monday night, November 28, at 7 o'clock in the Employment Office, North Portal. This applies to both men and women checker players.

Plans for organizing a plant checker league will be discussed at the meeting and after the business matters are completed a session of checker playing will be held. Refreshments will be served during the meeting.

A total of 2,976 languages are spoken throughout the world.

Plant Basketball Loop Organizational Meet Will Be Held Friday

The Y-12 men's plant basketball league activities will get underway when representatives of the team that plan to enter competition this season will meet at 3 o'clock Friday afternoon, November 25, at the Recreation Office, North Portal. Any department or group in the plant that wants to get into the basketball business during the coming season are urged to send representatives to the meeting.

At this session, decisions on playing nights for the league and practice schedules will be worked out. Tentative plans now call for a league schedule of two games each week for all teams in the league.

Pre-season interest in the plant league has been keen and it is the intention of the Recreation Office to have as many folks in the plant as possible take part in the program. Any man in the plant who has not yet been signed or committed to any team and who wants to play during the coming season is asked to communicate with the Recreation Office, telephone 7-8252, as soon as possible, to be assigned to some team in the league.

Play in the league is expected to begin either the first or second week in December.

E. B. Galloway Posts Three Season's Marks

This boy E. B. Galloway, of the Hooks team in the C League of the plant bowlers, paced the individual scorers of the loop for the second straight week last Thursday night by monopolizing all brackets on the tally sheets and setting three season's high marks in addition. Meanwhile, his teammates walloped the Guards for four points and the Hooks went into a third place tie with the Orphans, who also took four from the Short Circuits.

Both League Leaders Beaten

With the Orphans and Hooks both winning four the league leaders, the Hurricanes and Guards, both tumbled considerably as the Hurricanes were stung by the Hornets for four points. The race was further tightened when the Moles took three from the Thin Pins.

Galloway blasted the pins for a 213 scratch single game, 253 handicap single game and 529 scratch series, all high for the season. His 643 handicap series was high for the night.

Hooks, Orphans Divide Honors

Galloway's bowling aided the Hooks in taking top team scoring honors with a 2,267 scratch series and 2,870 handicap series. However, the Orphans splurged in with the best scratch single game of the night with 795 and best handicap single game of 985.

League standing follows:

Team	W	L	Team	W	L
Hurricanes	22	10	Thin Pins	14	18
Guards	21	11	Moles	13	19
Orphans	21	11	Hornets	13	19
Hooks	20	12	Short Circuits	4	28

Plant Bowling Team Leaders Urged To Attend City Meet

Captains or representatives of all men's bowling teams in Y-12 are urged to attend a meeting of the Oak Ridge Bowling Association to be held at 8 o'clock tonight, Wednesday, November 23, at the Oak Terrace alleys.

The purpose of the meeting is to elect officers for the city bowling association for the season. These officers will hold office until this time next season and be responsible for formation of the league next year.

On the automobile assembly line cars start out in little pieces and finally a shiny, new automobile appears. Then a woman driver buys it. Five minutes later—back to little pieces again.

Y-12 Women Varsity Cagers To Meet K-25 In Opening Engagement

The Y-12 women's varsity basketball team will make their first appearance of the season next Sunday night when they will tackle the Carbide K-25 lassies in a practice tilt as a preliminary event to the game between the K-25 men's team and the

Whiskered Wizards, a touring bunch of basketeers that not only play top-flight basketball but put on a good comic show in addition. The women's game will begin at 6:45 o'clock in the new gymnasium of the Jefferson Junior High School and will be followed immediately by the men's clash.

The Y-12 girls have been showing good form in practice and are expected to give a good account of themselves again their "cousins" from K-25. Every player on the squad will be given an opportunity to play.

Meanwhile, the Y-12 lassies will get their final workout before the game Sunday when a practice will be held at 7:30 p.m. Friday at the new Jefferson gymnasium. The men's squad also will hold practice sessions at 6 p.m. tonight, Wednesday, November 23, at the Linden gymnasium and again at 7:30 p.m. Friday night at the new Jefferson gymnasium, sharing the big floor with the feminine contingent.

It is expected that the opening dates and schedules for the varsity leagues will be announced some time this week.

SPORTS NEWS

Rippers Tie Wolves For B Round Title

That alley row in the B League of plant bowlers that has become warmer and warmer during the past several weeks came to a deadfall last Thursday night in the roll off for honors in the first round standings. The Wolves went on the lanes with a slim lead and favored to take first round honors—but it was not to be as the Rippers put on a garrison finish to take four points from the Comets and finish in a deadlock with the former loop leaders, who had to be content with an even split with the lowly Head Pins.

Bumpers Drop To Third

Meanwhile the Bumpers, second place team the preceding week, took their bumps to the extent of four points from the All Stars and landed in third place. Other loop results saw the Mules take three from the Cubs, Maintenance and One-91 dividing and the Tigers mauling the Bums for three points.

The date for the additional roll off to break the first round tie had not been set last week, but will be announced as soon as possible.

Roberts Tops Individual Scorers

Conrad Roberts, of the Wolves, did his durndest to keep his team on top and monopolized individual scoring honors. He posted a 225 single scratch game, 234 handicap single game, 557 scratch series and 611 handicap series.

In team scores the upsurging Rippers took top spots with an 875 scratch single game and 1,012 handicap single game. The Wolves came through with a 2,403 scratch series and the All Stars posted a 2,832 handicap series for top honor.

Second Round Starts December 1

The second round of play in the B League will begin Thursday night, December 1, as activities this week have been called off on account of Thanksgiving holiday.

Standing at the end of the first round of play follows:

Team	W	L	Team	W	L
Wolves	31	13	Comets	21	23
Rippers	31	13	One-91	19	25
Bumpers	28	16	Tigers	17	27
Mules	27	17	Cubs	16	28
Maintenance	24	20	Head Pins	14	30
All Stars	24	20	Bums	13	31

Varsity Bowlers Divide Four Points With Maxon Pinmen

The Y-12 varsity men's bowling team skipped a good chance to really advance in the Oak Ridge City League November 14 when they divided four points with the tail-end Maxon team. The Maxons took two out of three games but the Y-12ers posted the high series score for the contest.

The Y-12 team scores were 783, 914, 772—2,469 to Maxon's 842, 798, 777—2,417. Ernie Cobble led the Y-12ers with a 202 scratch single game and 536 series made by adding games of 146 and 188. Other Y-12 scores included Frank Gragg 165, 173, 164—502; Conrad Roberts 170, 187, 138—495; Nelson Tibbatts 145, 182, 152—479; and Rudy Pletz 157, 170, 130—457.

After bowling on that date the Y-12ers had climbed into fifth place in the league with 23 wins and 17 losses.

More Sport News On Page Four

Strikers Easily Take D Loop Round Title

The Strikers coasted into the championship of the first round of three in the D League last week by taking just one point from the runner-up Termite team in the roll off session. In these clashes Ray Duckworth got his high scratch series of the year and "Old Reliable" Ernie Cobble banged out a 525 scratch series score. Sky Barker and Frank Gragg raised their averages of the season and Wes Savage also posted a neat series score.

Patton Leads Isotopes To Win

Joe Patton led the Isotopes to a three-point victory over the Materializers, getting his high series of the season. Jim Keeton also rolled his high score of the season for the Materializers.

The Overheads and Splinters divided their points with Elmore Koons, of the Overheads, raising his scratch average to 160.93 during the alley activities. George Mitchel and Red Wiest also turned in their high scratch series scores of the year in these games.

The Angstroms took their first series of the year, three to one, from the Old Men with both Al Southern and Elkin Burkhart bowling their best series scores of the season for the victors. Bill Davis of the Old Men, posted a 633 handicap series to aid his team to take their single point.

High Scores For First Round

In the first round of play the Termites had the high handicap single game score of 1,060 and handicap series of 2,060. George Stukenbroeker had the high handicap single game with 251 while Harold Ratjen and Ernie Cobble tied with 214 each for high single scratch game scores. Doug Lavers had the high handicap series score of 703 and Cobble the high scratch average of 175.81.

League standing for the first round of the season follows:

Team	W	L	Team	W	L
Strikers	24	8	Materializers	14	18
Termites	21	11	Overheads	14	18
Isotopes	19	13	Old Men	12	20
Splinters	15	17	Angstroms	9	23

ATTENTION.
ALL Y-12 EMPLOYEES
On December 22, 1949
YOU HAVE A DATE
9 p.m. to 1 a.m.
Hold This Time Open
Watch For Announcement
Next Week

CARBIDE AND CARBON
CHEMICALS CORPORATION
P. O. Box P.
Y-12 Area
Oak Ridge, Tenn.
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Sec. 34.66, P.L.&R.
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Radioactive Golf Ball Idea Gets Kicked Around At Bane, Benefit To Pasture Pool, Other Sports

That proposal for a radioactive golf ball that could not hide in the rough from an alert Geiger counter made in Oak Ridge recently brought a lot of conversation from Y-12 golfers—and it even spread to other outdoor sports.

The whole thing started when Dr. David L. Davidson, Jr., director of physical research for the B. F. Goodrich Rubber Co., was quoted as suggesting such a possibility following an address at a seminar of the Oak Ridge Institute of Nuclear Studies. (Seeing as how rubber is one of the main components of a golf ball, Y-12 critics maintained that the proposal was poor business for the rubber company, at that.)

Among one of the more loquacious of Y-12's many golfers, Joe (always in the fairway) White, saw no particular need for the radioactive pellet.

Just Has To Hit Too Often

"Heck," said Joe, "I'm never in any trouble in the rough. My trouble is just having to hit too often in the fairway. I wish that guy would tell me how to address a ball the first time I try to hit it—I know how to do it the second time."

"Now," he continued, "I am known as a talented inventor. My toothless comb for bald men and footless socks for the benefit of overworked wives are well known, but this radioactive golf ball seems silly in some respects. So I guess I will just submit my invention for a boomerang golf ball that after being hit will mark the spot it strikes the fairway and then return

to the hand of the golfer who then can place it where he darn pleases."

Those remarks by White (known far and wide for his "Yo-Yo" drive) seemed to put Dr. Davidson behind the—could it be an eight or just a grass-darkened golf ball?

However, here comes Howard Doyle, another freshman in the field of pasture pool.

Says Mr. Doyle;
More, Better Locators Wanted

"I'm in favor of more and better locators of lost balls and lost golfers. Why, whenever I knock a ball over in the tall timber my partner generally has to send a caddy to hunt me hunting the ball. I think I am going to train my fine dog Mike (that genial wire-haired pet of the DoYLES) to follow both the spoor of me and the lost golf ball. Gosh, he swipes a lot of those balls at home just for fun—so I might as well put him to work. Also, I might ask Dr. Davidson where can I get a nice, economical Geiger counter that will fit a golf bag."

So much for golf. However, some other folks became interested in the possibilities of using atomic energy in making their pastimes somewhat easier.

Evan Means, down in Electrical Maintenance, is one of Y-12's most ardent outdoors men with a particular yen for fishing. Means, a devotee of fishing in favor of other more strenuous activities, would like to see a fish hatchery sprayed with radioactive material that would impregnate the fish to the extent that a fisherman could wander along the shore with a Geiger counter and locate a school of fine, fat bass with a minimum of trouble.

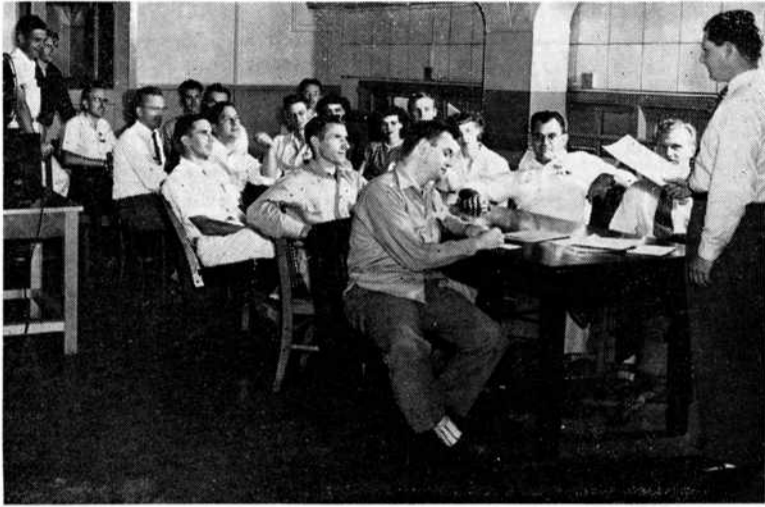
"Heh, heh," gurgled Marc Sims, former associate editor of The Y-12 Bulletin and now editor of the Oak Ridge National Laboratory News. (Sims recently won a prize from the Oak Ridge Sportsmen's Association in a fishing contest and would have scored in another contest except for an out-of-bounds play.)

Sims Plans Plot On Fish

"Heh, heh," chortled Editor Sims, "I'm two bass and a cat fish up on that guy Davidson. Why we, down here at ORNL, have a gadget we call the P. R. Bell Scintillation Counter that outsmarts a Geiger counter like a well-trained hound dog does a pet poodle. Next spring I'm going to go over to Dead Horse Lake and drop a few surplus radioactive isotopes in the water and just sit back—then brother, watch me."

The idea also spread to football and baseball authorities around Y-12. Some gridiron enthusiasts recommended some scheme to bring fumbled footballs closer to the grasping hands of lunging athletes (seeing as how they never have got around to a rule to put handles on the pigskins.) The same plan was a wishful thought in the minds of Y-12 baseballers who saw a lot of balls get away from fielders when possibly atomic energy or the principles of a magnet in the glove to exert a positive and negative influence on the elusive sphere might be put into practice to eliminate high figures in the "E" column in line scores.

Oh well, just play around with the idea—some of you Y-12 scientists. We might come up with something yet.



Y-12 Photos By Vince Moore

THESE EMPLOYEES OF THE TECHNICAL DIVISION OF the Oak Ridge National Laboratory now stationed in Y-12 have maintained an excellent safety record since coming here in July. In the group above from left are Roscoe Van Winkle, Roy Turner, Richard Gallaher, Charles Coughlen, Dan Boppe, Theodore Rockwell, D. J. Kirby, W. O. Hullings, Louis Fairchild, Oscar Sissam, H. C. Darage, Sheldon Wheeler, Gladys Darnell, Warda Jones, Robert Smith, Helen Barker, C. M. Burchell, Wallace Kirkland and A. R. Fritschsen, reading the agenda for a recent safety meeting. The three men pictured below are, from left, Dr. Charles Winters, associate director in charge of the division work in Y-12; Richard Lyon and Clifton Graham, section chiefs.

ORNL Technical Division Group Maintains Fine Safety Program

Paralleling the efficient accident prevention program in effect for all Y-12 employees, a group of Oak Ridge National Laboratory people in the Technical Division of ORNL now housed in Bldg. 9204-1 likewise have high objectives in the same field. After several months of operations in their Y-12 quarters, personnel of the three sections in the ORNL division have compiled an enviable safety record of their own simply by observance of the cardinal rules of safe working procedures, good housekeeping and maintenance.

Three Sections Stationed Here

Dr. Charles Winters is associate director and Richard Lyon and Clifton Graham are section chiefs in charge of the three sections. The three sections are Engineering Development, Engineering Materials and Engineering Research.

The ORNL group has formed a divisional safety organization to carry on its safety program. The organization has formulated interesting and educational agendas on accident prevention for presentation at monthly meetings. The group also conducts monthly inspections to seek and eliminate any safety hazards that might exist in the area in which it operates. Participates In Emergency Plan

In addition to this program, the ORNL group actively participates in the Y-12 Emergency Plan through attendance at fire drills and allied activities.

The efficiency of the ORNL program since its inception when the division was moved to its present Y-12 location is indicated by the fact that there has not been a semblance of a lost time accident and even minor mishaps have been held to a minimum.

Janitor (coming on a couple in the corridor): "Are you going to kiss that girl?"

Student: "No."

Janitor: "Well, then, hold my broom."

Y-12 To Get Safety Award November 30

(Continued From Page 1)

000 mark and in fact extended it to approximately 2,850,000 man-hours worked without a disabling accident, representing 246 accident-free days on the plant safety scoreboards at each of the Y-12 portals. The present record of accident-free days in the plant is 152, as of Monday of this week.

With the previous achievements of Y-12 in safety matters in mind—the 1,500,000 man-hours safely worked is just the intermediate goal—the ultimate goal, of course, is to again reach and exceed the 2,850,000 accident-free hours and then go on and on—all of which is for the continuous welfare of everybody in the plant.

Ancient Radioactive Materials Sought

Radioactive material has existed through the centuries. In Science Magazine, Prof. Richard Foster Flint, Yale geologist, declares that radioactive carbon in bones, shells and wood left by animals and plants that died in the latter part of the Pleistocene Ice Age may materially help in dating the geological events of 35,000 years ago.

Professor Flint has invited colleagues who have any materials of this kind to send him exact descriptions, with view to later analysis.

ACS President Sets Address November 30

(Continued From Page 1)

metallic Compounds."

Dr. Pauling is a native of Portland, Ore., starting his career of chemistry in his home state university where he received his B.S. degree in 1922. From there he went to California Institute of Technology as a teaching fellow and received his doctorate at California Tech. in 1925. In 1926 he was the Guggenheim Memorial Foundation fellow studying in Munich, Zurich and Copenhagen. He returned to California Tech. in 1927 and now is dean of the graduate school there.

Won ACS Honors At 30

In 1931, at the age of 30, he was the first recipient of the American Chemical Society award in pure chemistry given to chemists of unusual promise at the beginning of their careers. Since then he has held many important posts and received many honors, including honorary degrees from Oregon State University and the Universities of Chicago, London, Paris and Princeton University.

During World War II he carried on work for several divisions of the National Defense and Research Committee and for the Committee on Medical Research. For this work he was awarded the Medal of Merit from the Army.

Dr. Pauling has published more than 160 articles in 20 scientific journals in addition to being co-author of several books.

Duncan Reelected To Club Directorate

H. D. Duncan, of Y-12, was re-elected to the board of directors of the Oak Ridge Golf and Country Club last week when E. A. Bagley, formerly of Y-12 and now with the Oak Ridge National Laboratory, and Dr. John Crews also were placed on the board. Holdover members of the board include W. D. Lavers, of Y-12, who now is president of the club; Gentry Underwood, also of Y-12 and secretary of the organization, A. J. Kessing, Robert Dustin, McKee Alexander and Dave Oakley. The new board will meet soon to elect officers for the coming year.



Tulip Town Keglerettes Take Two Games From Y-12 Lassies

The Y-12 feminine bowlers in the Oak Ridge City League barely eked out one game in their scrap with the Tulip Town keglerettes last week, although scoring was close in all three contests. The Tulip Town lassies scored a 676 to 587 victory in the first game, Y-12 lowered the margin to 10 pins and lost by only 677 to 667 in the second encounter and surged ahead by 677 to 674 in the final encounter. Team scores were 2,027 for Tulip Town and 1,931 for Y-12. The loss placed Y-12 in 10th place in the 12-club league.

Katie Williams paced the Y-12ers with games of 110, 134, 191—435. The 191 game was high for the night in the loop. Other Y-12 scores were Margaret O'Neal 144, 161, 127—432; Olyne Poindexter 109, 142, 114—365; Ruth Law 123, 101, 135—359; and Katherine Jenkins 101, 129, 110—340. Ruth Law scored one of those difficult 4-7-10 splits during the night's play.

League standing follows:

Team	W	L	T	Team	W	L	T
ORNL	24	9	R-A	18	15		
Tulip Town	22	11	C & O.C.	16	17		
Mims	22	11	Knox B'print	12	21		
Norris C'mery	19	14	Y-12	11	22		
K-25	19	14	Fairchild	9	24		
Morat	19	14	Atomizers	7	26		

ALERTNESS URGED

The New York Times believes that the reported atomic explosion in Russia has not changed any of the major world problems. It warns that any disarming conciliatory proposal by Moscow should be met by alertness on the part of other nations.

Dept. 2077 Keeps Fine Attendance Record

(Continued From Page 1)

Service Laboratory, Maintenance Automotive Equipment, Janitors and Medical. They advanced from third, fifth, sixth, seventh and 10th places, respectively.

Second place in the Minor League was held for the second week by Plant Engineering with an absentee mark of .6 per cent. Third place went to Uranium Control and Computing with 1.4 per cent of its personnel absent and which jumped up from eighth place held the previous week.

Plant Absentee Mark Increased

The plant-wide absentee record for the week ending November 13 increased .1 per cent from the previous week to a mark of 2.2 per cent. The record, by departments, for the week ending November 13, follows:

MAJOR LEAGUE			
More than 50 Employees Scheduled			
Dept.	Percentage Absent	Standing 11-13-49	Standing 11-6-49
2077	0.0	1	1
2616	1.2	2	6
2300	1.3	3	3
2015	1.4	4	9
2360	1.5	5	4
2003	1.7	6	5
2091	1.8	7	7
2014	1.9	8	2
2320	3.0	9	10
2283	4.8	10	11
2142	5.5	11	8
2282	8.0	12	12

Group absentee percentage was 2.4 per cent, remaining the same as the preceding week.

MINOR LEAGUE			
15-49 Employees Scheduled			
Dept.	Percentage Absent	Standing 11-13-49	Standing 11-6-49
2143	0.0	1	1
2109	0.0	1	1
2008	0.0	1	1
2005	0.0	1	1
2743	0.0	1	1
2107	0.0	1	1
2270	0.0	1	5
2009	0.0	1	6
2001	0.0	1	7
2090	0.0	1	10
2060	0.6	2	2
2739	1.4	3	8
2133	1.7	4	1
2093	2.05	5	1
2002	2.10	6	1
2200	2.4	7	1
2140	3.3	8	5
2619	3.9	9	4
2096	8.0	10	9

Group absentee percentage was 1.4 per cent, .3 per cent higher than the preceding week.

The plant average for the week ending November 13 was 2.2 per cent, .1 per cent higher than the preceding week.